

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112421\  
 Data File : VY006886.D  
 Acq On : 24 Nov 2021 18:49  
 Operator : SY/MD  
 Sample : M4765-02  
 Misc : 5.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 26 09:59:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

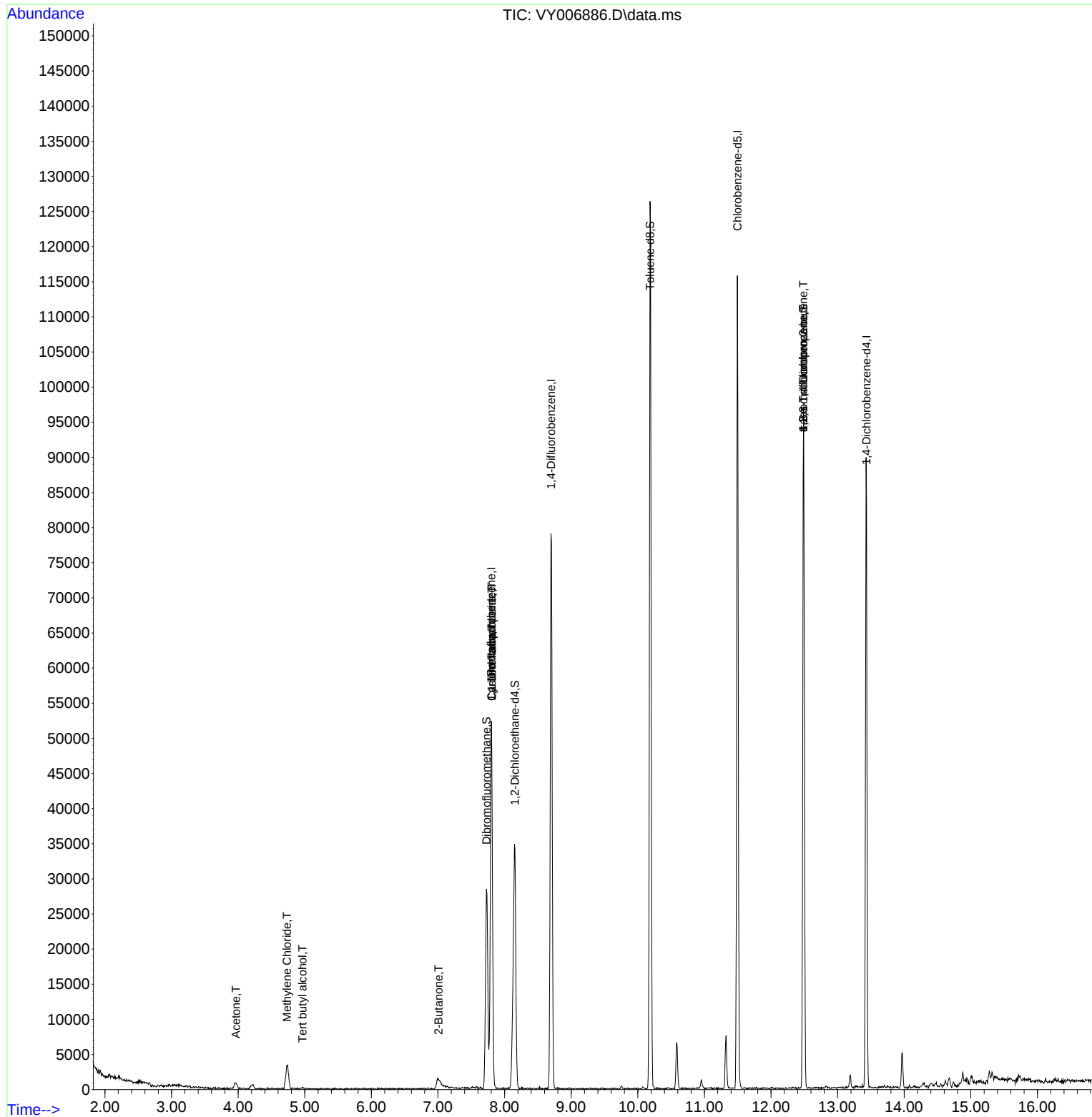
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 38940    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 63995    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 55442    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434    | 152   | 21652    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155     | 65    | 25930    | 50.808   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 101.620% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 19167    | 48.761   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 97.520%  |          |
| 50) Toluene-d8                | 10.185    | 98    | 79590    | 48.930   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 97.860%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 21525    | 39.252   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 78.500%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.966     | 59    | 103      | 1.342    | ug/l #     | 72       |
| 16) Acetone                   | 3.966     | 43    | 1711     | 11.034   | ug/l #     | 81       |
| 20) Methylene Chloride        | 4.735     | 84    | 2209     | 1.446    | ug/l       | 87       |
| 25) 2-Butanone                | 7.009     | 43    | 109      | 11.962   | ug/l #     | 52       |
| 31) Cyclohexane               | 7.807     | 56    | 962      | 1.072    | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 7.807     | 75    | 3524     | 5.066    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.807     | 117   | 4033     | 5.668    | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 12982    | 55.148   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 12982    | 109.273  | ug/l #     | 7        |
| -----                         |           |       |          |          |            |          |

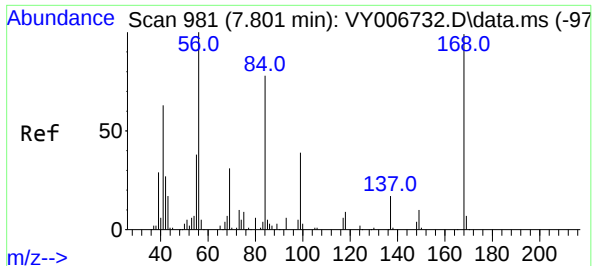
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

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Quant Title : SW846 8260  
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Response via : Initial Calibration

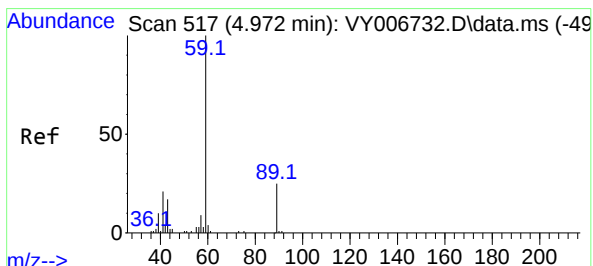
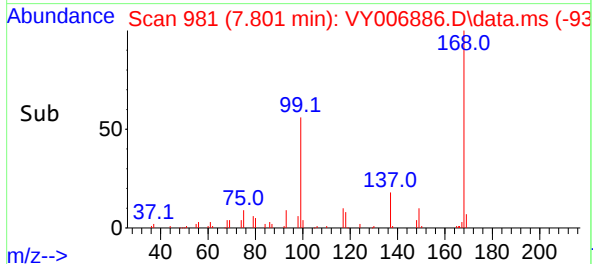
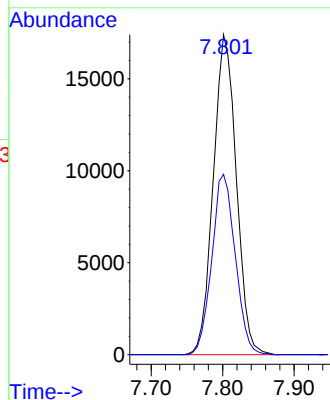
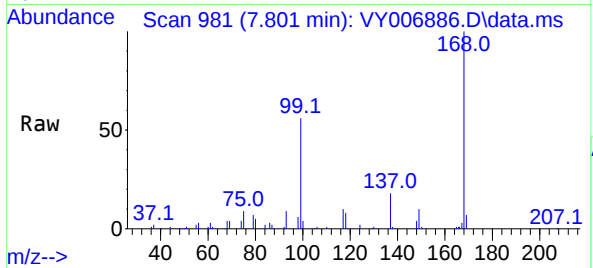




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

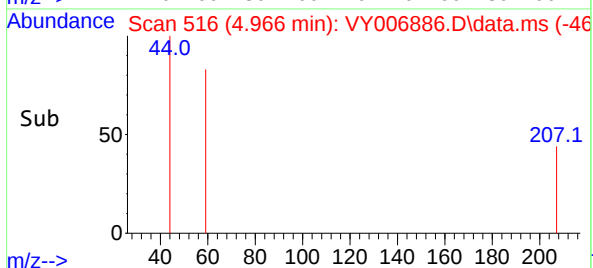
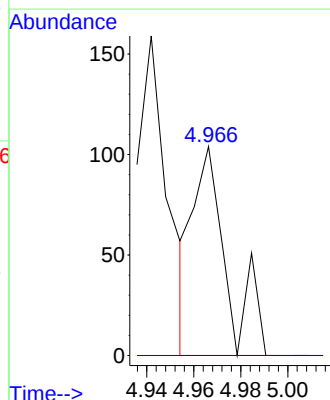
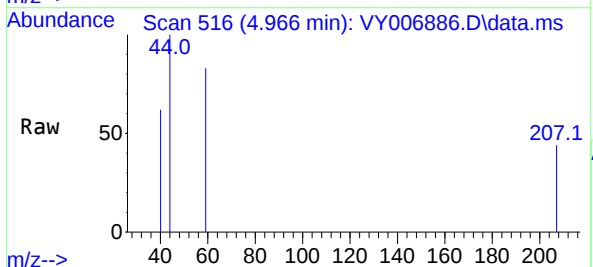
Instrument :  
MSVOA\_Y  
ClientSampleId :

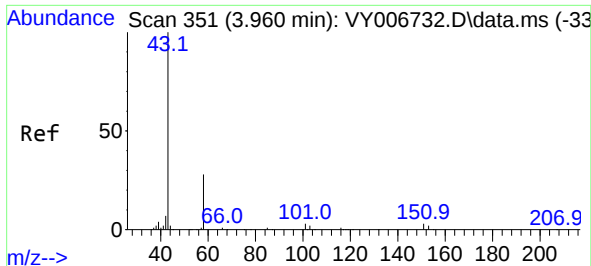
Tgt Ion:168 Resp: 38940  
Ion Ratio Lower Upper  
168 100  
99 56.4 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 1.342 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Tgt Ion: 59 Resp: 103  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

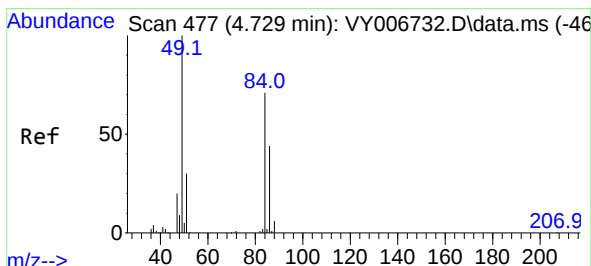
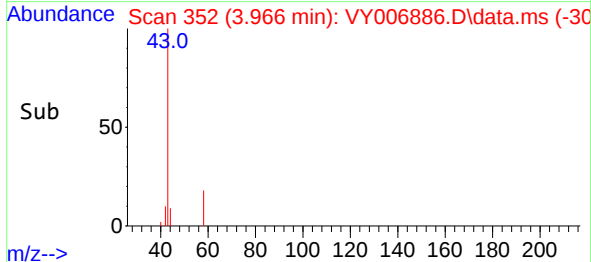
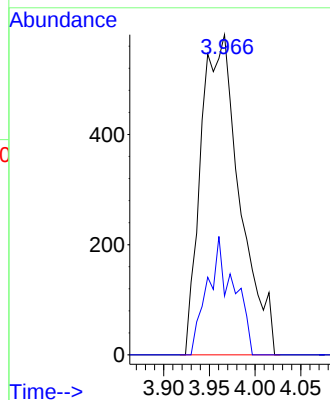
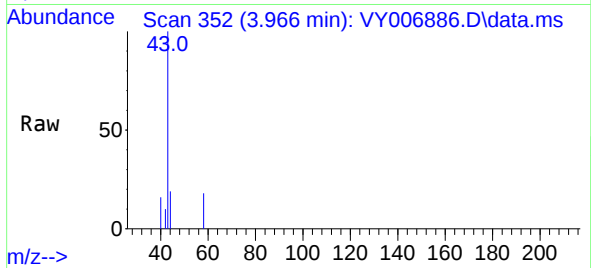




#16  
Acetone  
Concen: 11.034 ug/l  
RT: 3.966 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

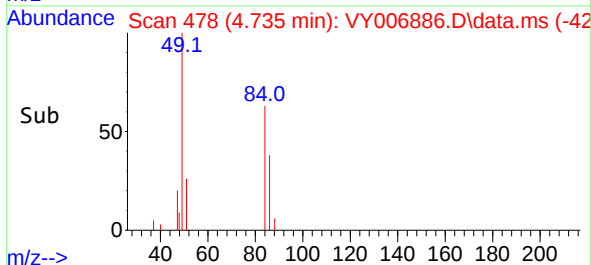
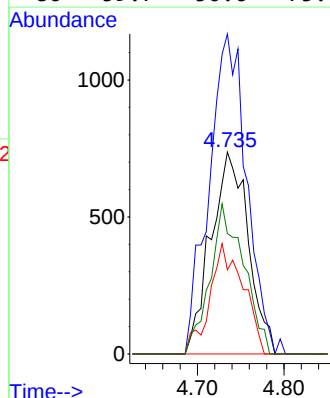
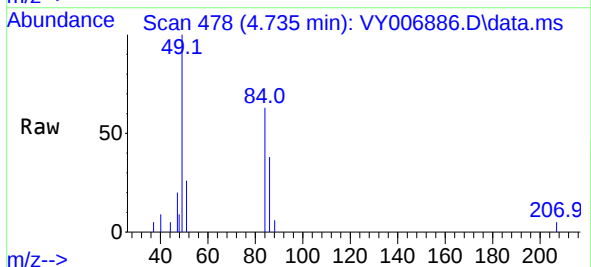
Instrument :  
MSVOA\_Y  
ClientSampleId :

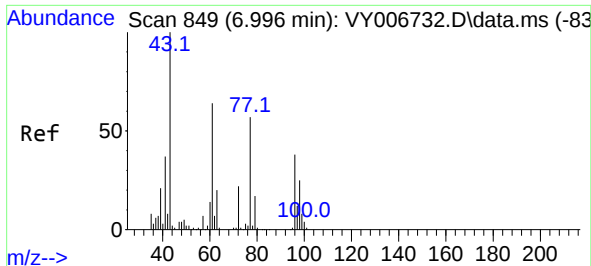
Tgt Ion: 43 Resp: 1711  
Ion Ratio Lower Upper  
43 100  
58 18.4 22.9 34.3#



#20  
Methylene Chloride  
Concen: 1.446 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Tgt Ion: 84 Resp: 2209  
Ion Ratio Lower Upper  
84 100  
49 158.5 107.8 161.8  
51 41.7 32.8 49.2  
86 59.7 50.6 75.8

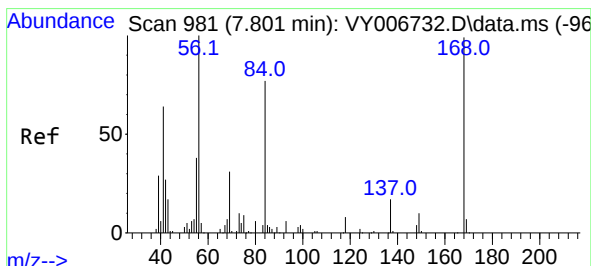
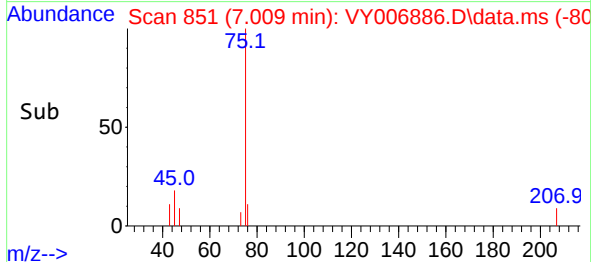
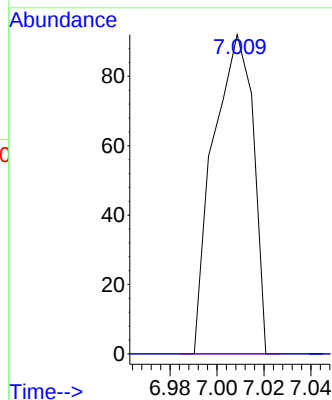
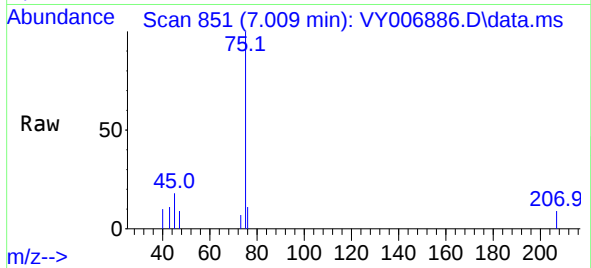




#25  
2-Butanone  
Concen: 11.962 ug/l  
RT: 7.009 min Scan# 81  
Delta R.T. 0.013 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

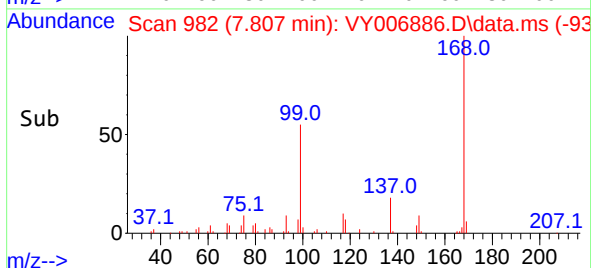
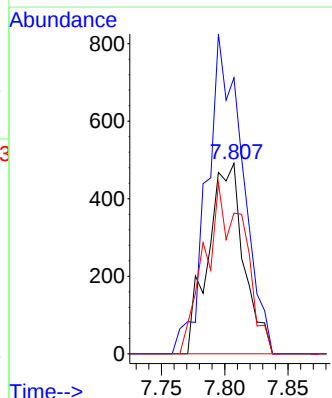
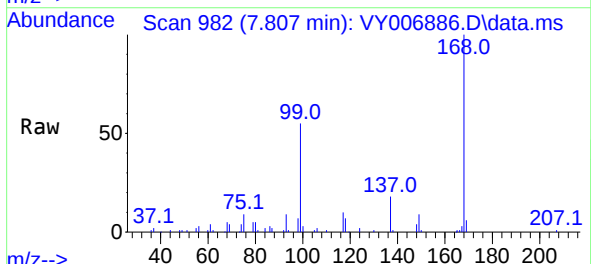
Instrument :  
MSVOA\_Y  
ClientSampleId :

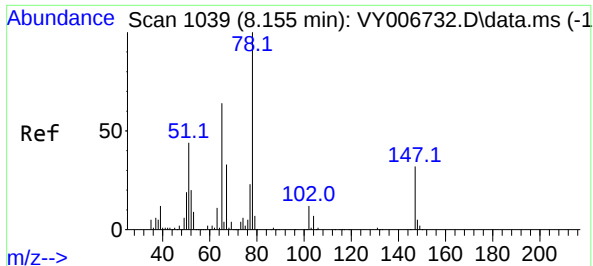
Tgt Ion: 43 Resp: 109  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.9 28.3#



#31  
Cyclohexane  
Concen: 1.072 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Tgt Ion: 56 Resp: 962  
Ion Ratio Lower Upper  
56 100  
69 145.0 26.6 40.0#  
84 73.9 65.0 97.4





#33

1,2-Dichloroethane-d4

Concen: 50.808 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY006886.D

Acq: 24 Nov 2021 18:49

Instrument :

MSVOA\_Y

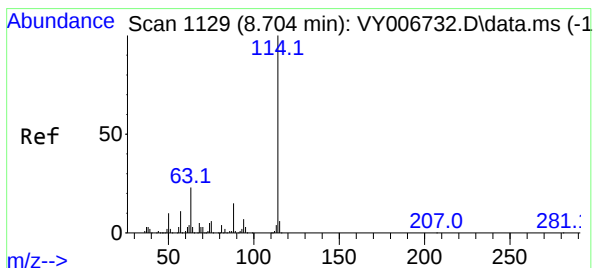
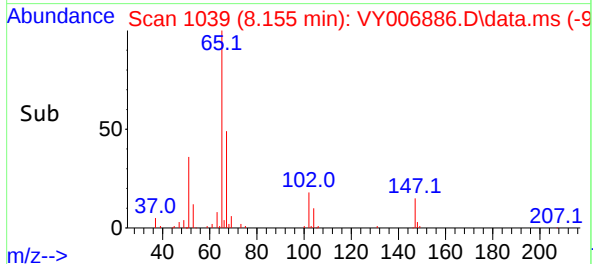
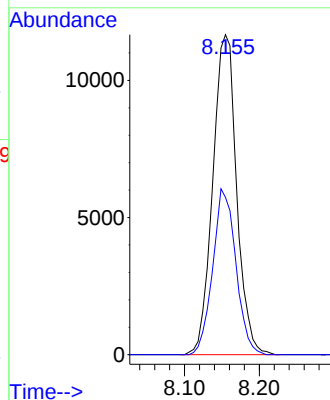
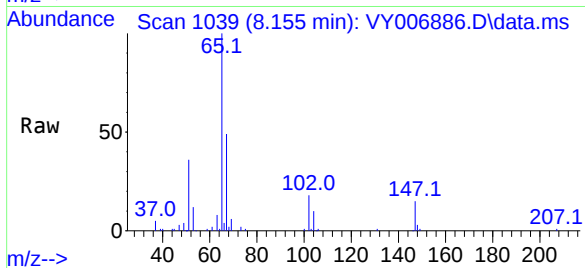
ClientSampleId :

Tgt Ion: 65 Resp: 25930

Ion Ratio Lower Upper

65 100

67 50.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006886.D

Acq: 24 Nov 2021 18:49

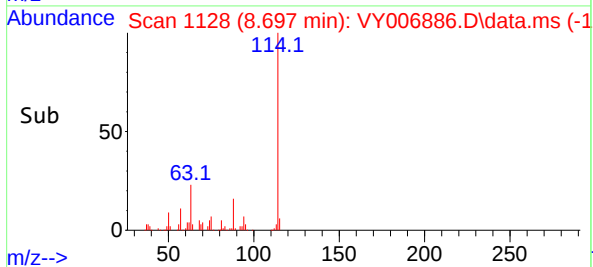
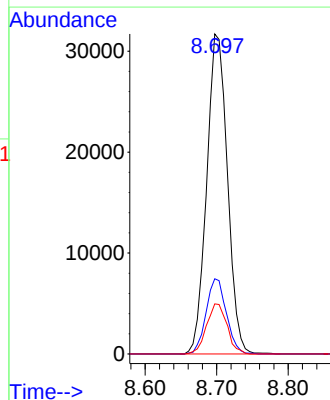
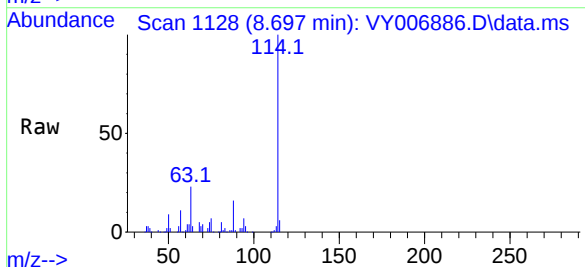
Tgt Ion: 114 Resp: 63995

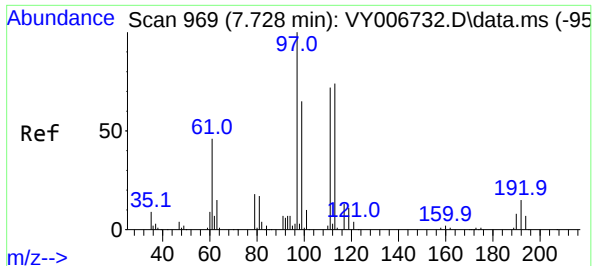
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

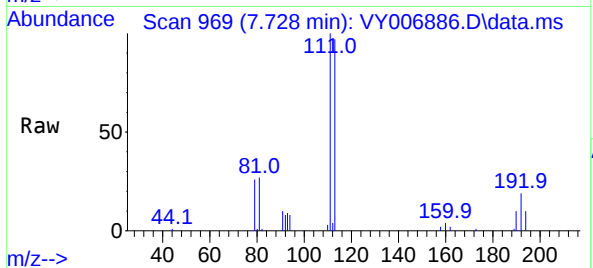
88 15.7 0.0 30.6



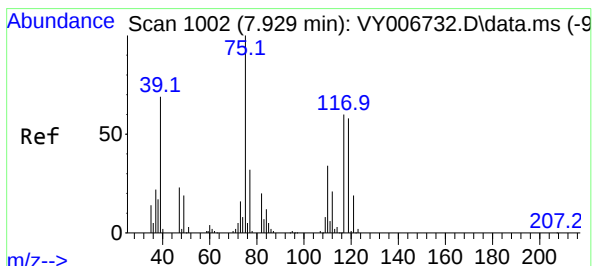
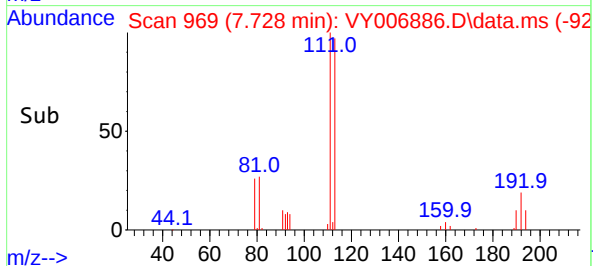
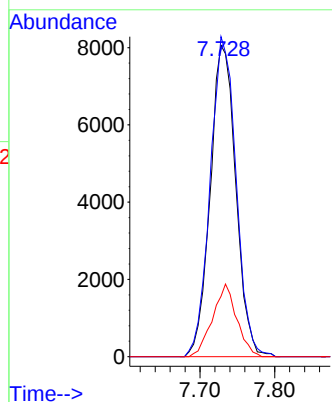


#35  
Dibromofluoromethane  
Concen: 48.761 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

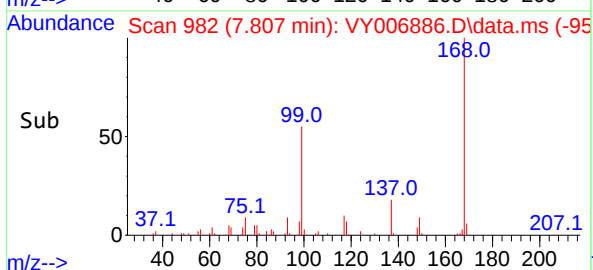
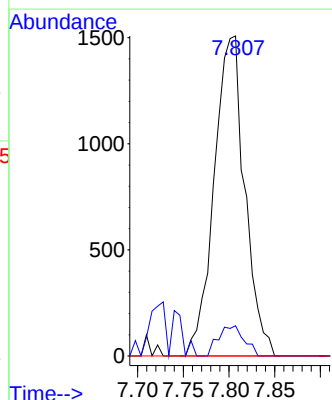
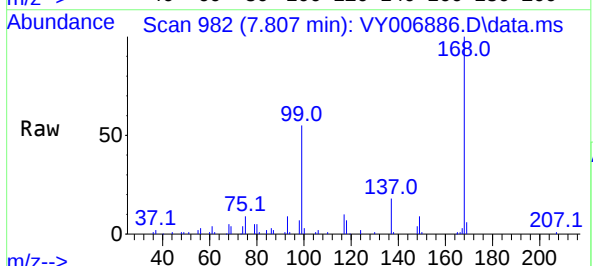


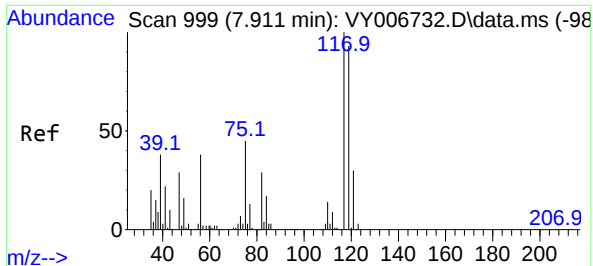
Tgt Ion:113 Resp: 19167  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.3 123.5  
192 22.0 17.4 26.2



#36  
1,1-Dichloropropene  
Concen: 5.066 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

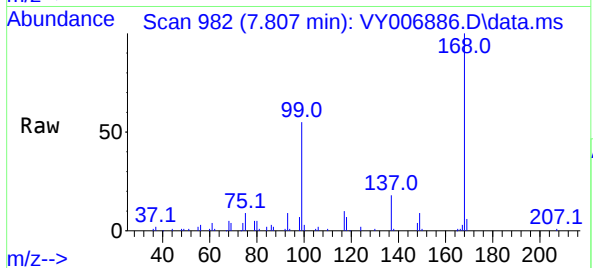
Tgt Ion: 75 Resp: 3524  
Ion Ratio Lower Upper  
75 100  
110 7.9 17.1 51.3#  
77 0.0 24.9 37.3#



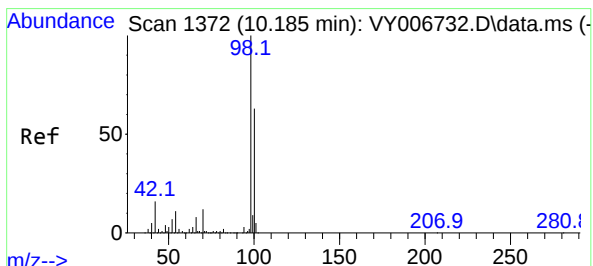
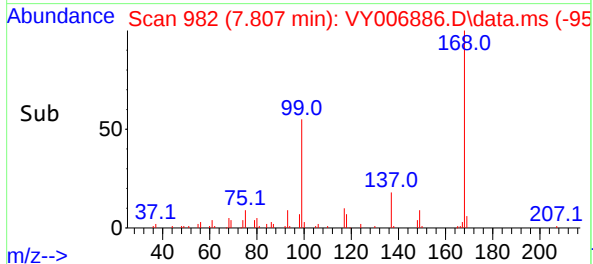
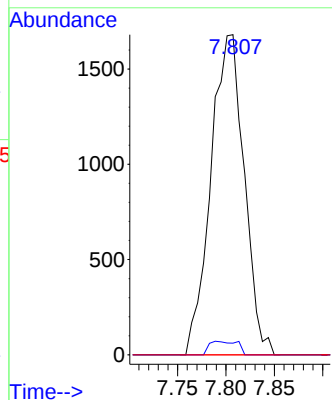


#38  
Carbon Tetrachloride  
Concen: 5.668 ug/l  
RT: 7.807 min Scan# 911  
Delta R.T. -0.104 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Instrument :  
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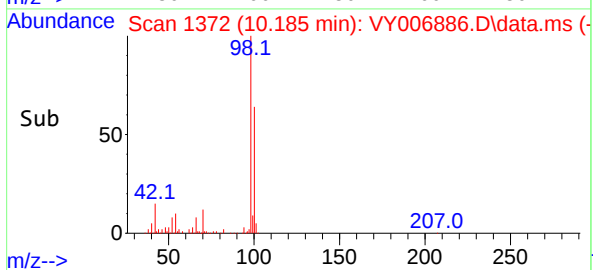
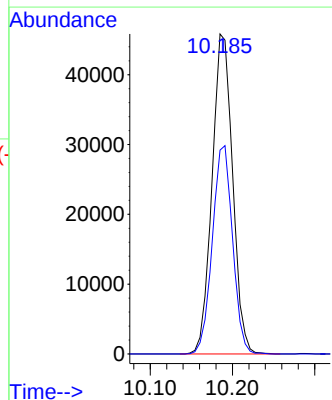
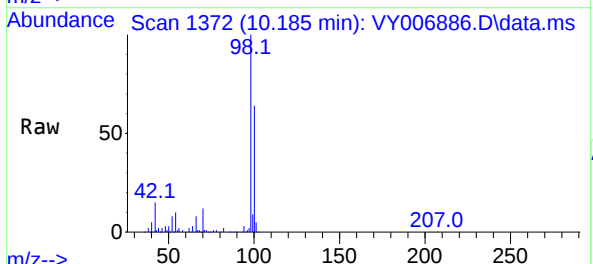


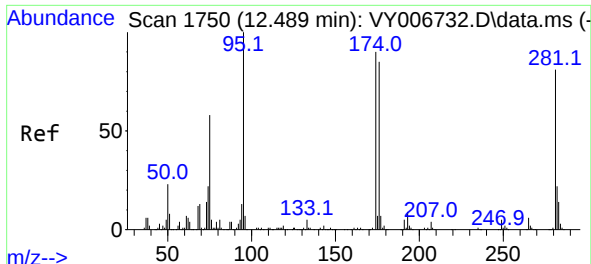
Tgt Ion:117 Resp: 4033  
Ion Ratio Lower Upper  
117 100  
119 3.6 76.6 115.0#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 48.930 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Tgt Ion: 98 Resp: 79590  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.9 76.3

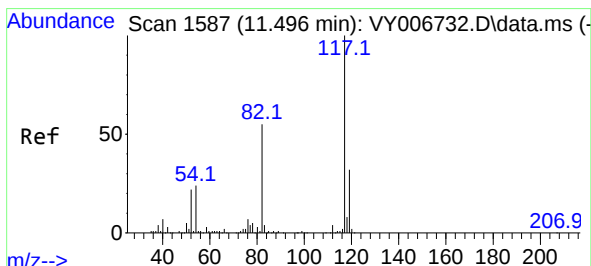
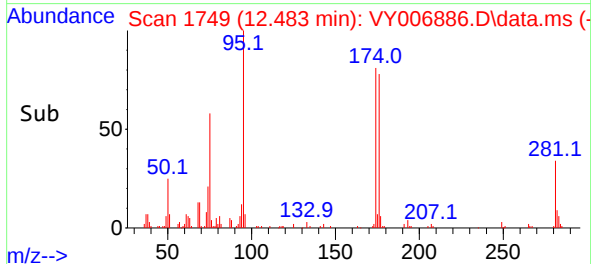
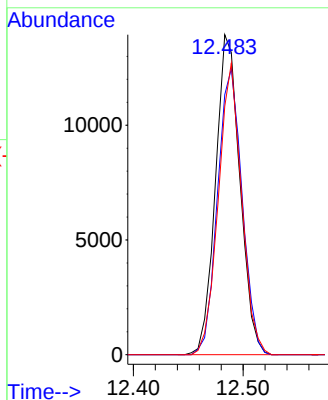
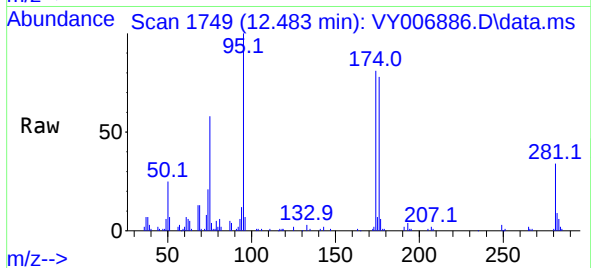




#62  
4-Bromofluorobenzene  
Concen: 39.252 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

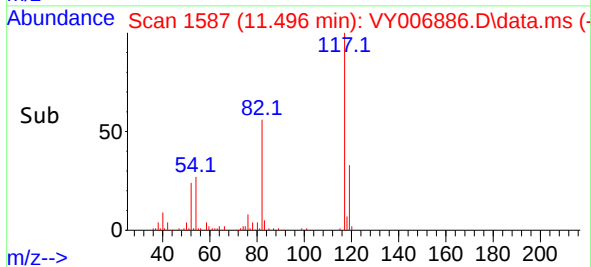
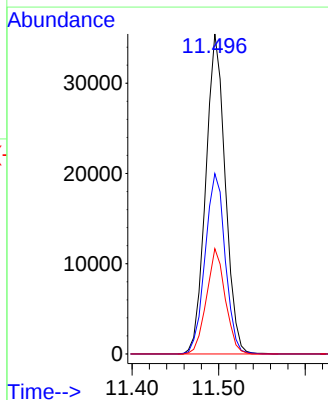
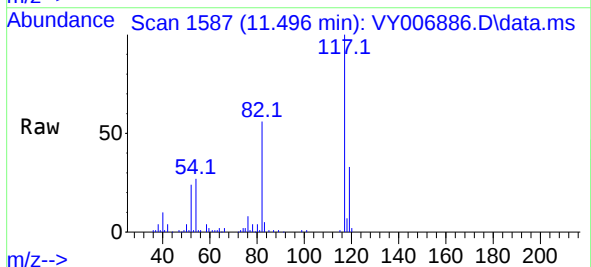
Instrument :  
MSVOA\_Y  
ClientSampleId :

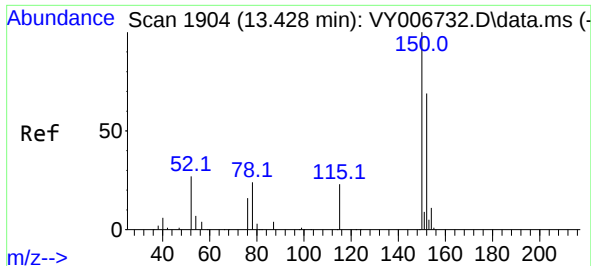
Tgt Ion: 95 Resp: 21525  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 177.0  
176 87.0 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

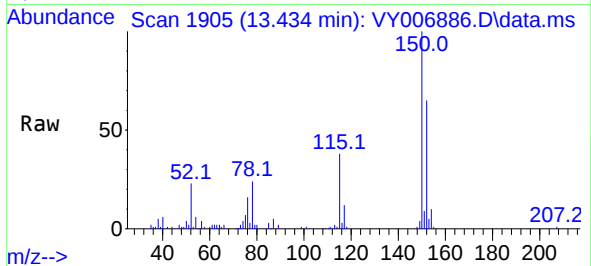
Tgt Ion: 117 Resp: 55442  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.7 68.5  
119 32.9 25.5 38.3



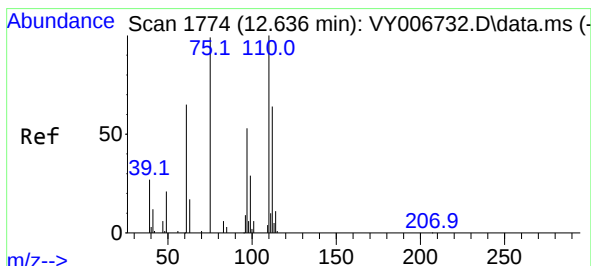
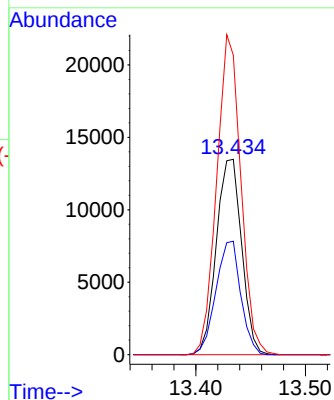
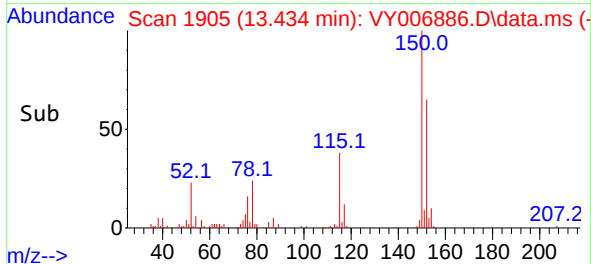


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY006886.D  
 Acq: 24 Nov 2021 18:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

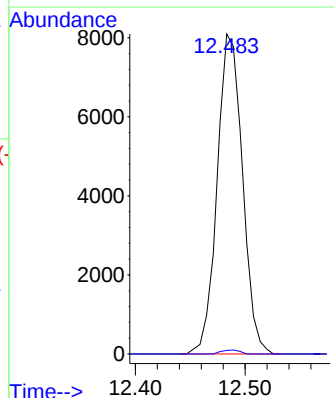
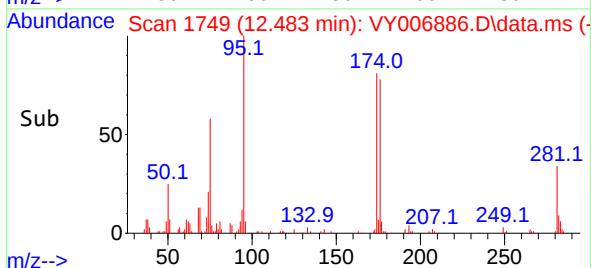
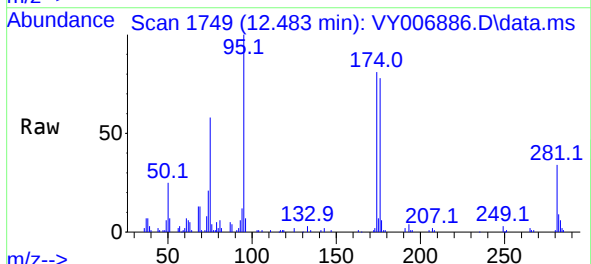


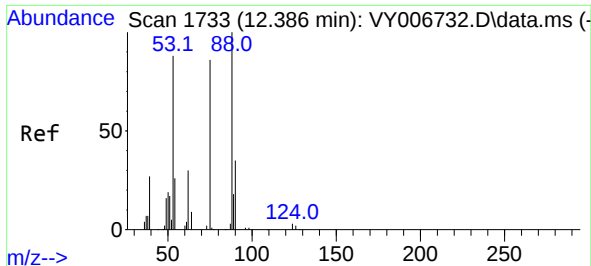
Tgt Ion:152 Resp: 21652  
 Ion Ratio Lower Upper  
 152 100  
 115 57.1 28.5 85.5  
 150 156.4 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 55.148 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY006886.D  
 Acq: 24 Nov 2021 18:49

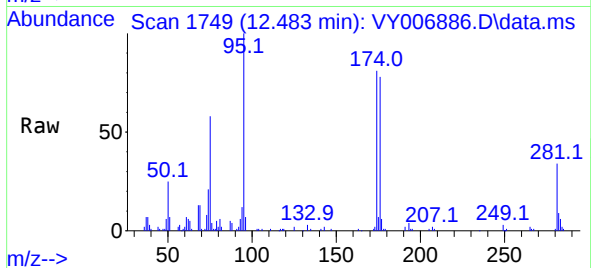
Tgt Ion: 75 Resp: 12982  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.273 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY006886.D  
Acq: 24 Nov 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 12982  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.0 39.3 58.9#

